

ABSTRACT OF THE DISCLOSURE

COMPOSITIONS AND METHODS FOR GENERATING MONOCLONAL ANTIBODIES REPRESENTATIVE OF A SPECIFIC CELL TYPE

5 The present invention provides a method for generating a population of monoclonal
antibodies capable of binding to antigens representative of a particular cell type. The method is
unique in that it minimizes the generation of non-representative antibodies cross-reacting with
10 proteins not present in a particular cell type; it also maximizes the preservation of intact antigens,
especially surface antigens, for production of a plurality of monoclonal antibodies that bind to
the native antigens. The present invention also includes a method of determining the
combination of cell surface antigens present on a specific cell type. Further provided by the
invention are hybridomas, populations of monoclonal antibodies produced by the hybridomas of
15 the present invention.